PCT10

RAW SEQUENCE LISTING   DATE: 05/15/2002
PATENT APPLICATION: US/10/019,676   TIME: 16:03:22

Input Set : **A:\EP.txt**
Output Set: **N:\CRF3\05152002\J019676.raw**

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 3 <110> APPLICANT: Li, Sam Fong Yau
 4        Su, Xiaodi
 5        Kwang, Jimmy
 6        Low, Sharon
 7        Liu, Wei
 8        Institute of Molecular Agrobiology
10 <120> TITLE OF INVENTION: A NOVEL IMMUNO-DIAGNOSTIC TEST METHOD FOR VETERINARY
11        DISEASE
13 <130> FILE REFERENCE: GM/MC/R33-77
15 <140> CURRENT APPLICATION NUMBER: US/10/019,676
16 <141> CURRENT FILING DATE: 2002-04-24
18 <150> PRIOR APPLICATION NUMBER: SG 9903147-8
19 <151> PRIOR FILING DATE: 1999-07-05
21 <160> NUMBER OF SEQ ID NOS: 4
23 <170> SOFTWARE: PatentIn Ver. 2.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 270
27 <212> TYPE: DNA
28 <213> ORGANISM: Salmonella enteritidis
30 <220> FEATURE:
31 <221> NAME/KEY: CDS
32 <222> LOCATION: (1)..(270)
34 <400> SEQUENCE: 1
35 tct act gct ggt acc gct gaa gcc aaa gcg ata gct ggt gcc att aaa     48
36 Ser Thr Ala Gly Thr Ala Glu Ala Lys Ala Ile Ala Gly Ala Ile Lys
37 1               5                   10                  15
39 ggt ggt aag gaa gga gat acc ttt gat tat aaa ggc gtg act ttt act     96
40 Gly Gly Lys Glu Gly Asp Thr Phe Asp Tyr Lys Gly Val Thr Phe Thr
41             20                  25                  30
43 att gat aca aaa act ggt gat gac ggt aat ggt aag gtt tct act acc    144
44 Ile Asp Thr Lys Thr Gly Asp Asp Gly Asn Gly Lys Val Ser Thr Thr
45             35                  40                  45
49 atc aat ggt gaa aaa gtt acg tta act gtc gct gat att gcc act ggc    192
50 Ile Asn Gly Glu Lys Val Thr Leu Thr Val Ala Asp Ile Ala Thr Gly
51         50                  55                  60
53 gcg acg gat gtt aat gct gct acc tta caa tca agc aaa aat gtt tat    240
54 Ala Thr Asp Val Asn Ala Ala Thr Leu Gln Ser Ser Lys Asn Val Tyr
55 65                  70                  75                  80
57 aca tct gta gtg aac ggt cag ttt act ttt                            270
58 Thr Ser Val Val Asn Gly Gln Phe Thr Phe
59                 85                  90
62 <210> SEQ ID NO: 2
63 <211> LENGTH: 90
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64 <212> TYPE: PRT
65 <213> ORGANISM: Salmonella enteritidis
67 <400> SEQUENCE: 2
68 Ser Thr Ala Gly Thr Ala Glu Ala Lys Ala Ile Ala Gly Ala Ile Lys
69  1               5                  10                  15
71 Gly Gly Lys Glu Gly Asp Thr Phe Asp Tyr Lys Gly Val Thr Phe Thr
72              20                  25                  30
74 Ile Asp Thr Lys Thr Gly Asp Asp Gly Asn Gly Lys Val Ser Thr Thr
75          35                  40                  45
77 Ile Asn Gly Glu Lys Val Thr Leu Thr Val Ala Asp Ile Ala Thr Gly
78       ·50                  55                  60
80 Ala Thr Asp Val Asn Ala Ala Thr Leu Gln Ser Ser Lys Asn Val Tyr
81   65                  70                  75                  80
83 Thr Ser Val Val Asn Gly Gln Phe Thr Phe
84                  85                  90
87 <210> SEQ ID NO: 3
88 <211> LENGTH: 630
89 <212> TYPE: DNA
90 <213> ORGANISM: Porcine reproductive and respiratory syndrome virus
92 <220> FEATURE:
93 <221> NAME/KEY: CDS
94 <222> LOCATION: (1)..(600)
96 <400> SEQUENCE: 3
97 atg ttg ggg aaa tgc ttg acc gtg ggc tgt tgc tcg cga ttg ctt tct    48
98 Met Leu Gly Lys Cys Leu Thr Val Gly Cys Cys Ser Arg Leu Leu Ser
99  1               5                  10                  15
101 ttg tgg tgt atc gtg ccg ttc tgt ttt gct gtg ctc gcc gac gcc cac   96
102 Leu Trp Cys Ile Val Pro Phe Cys Phe Ala Val Leu Ala Asp Ala His
103              20                  25                  30
105 agc agc agc agc tct cat ctg caa ttc att tac aac ttg acg cta tgt   144
106 Ser Ser Ser Ser Ser His Leu Gln Phe Ile Tyr Asn Leu Thr Leu Cys
107          35                  40                  45
109 gag ctg aat ggc aca gat tgg cta gct gat aga ttt gat tgg gca gtg   192
110 Glu Leu Asn Gly Thr Asp Trp Leu Ala Asp Arg Phe Asp Trp Ala Val
111      50                  55                  60
113 gag agc ttt gtc atc ttt cct gtt ttg act cac att gtc tcc tat ggt   240
114 Glu Ser Phe Val Ile Phe Pro Val Leu Thr His Ile Val Ser Tyr Gly
115   65                  70                  75                  80
117 gcc ctc act acc agc cat ttc ctt gac aca att gct tta gtc act gtg   288
118 Ala Leu Thr Thr Ser His Phe Leu Asp Thr Ile Ala Leu Val Thr Val
119                  85                  90                  95
121 tct acc gcc ggg ttt gtt cac ggg cgg tat gtc ctg agt agc atc tac   336
122 Ser Thr Ala Gly Phe Val His Gly Arg Tyr Val Leu Ser Ser Ile Tyr
123              100                 105                 110
125 gcg gtc tgt gcc ctg gct gcg ttg act tgc ttc gtc att agg ttt gta   384
126 Ala Val Cys Ala Leu Ala Ala Leu Thr Cys Phe Val Ile Arg Phe Val
127              115                 120                 125
129 aag aat tgc atg tcc tgg cgc tac tca tgt act aga tat acc aac ttt   432
130 Lys Asn Cys Met Ser Trp Arg Tyr Ser Cys Thr Arg Tyr Thr Asn Phe
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131      130                   135                   140
133 ctt ctg gac act aag ggc aga ctc tat cgt tgg cgg tcg cct gtc att   480
134 Leu Leu Asp Thr Lys Gly Arg Leu Tyr Arg Trp Arg Ser Pro Val Ile
135 145                   150                   155                   160
137 ata gag aag agg ggc aaa gtt gag gtc gaa ggt cat ctg atc gat ctc   528
138 Ile Glu Lys Arg Gly Lys Val Glu Val Glu Gly His Leu Ile Asp Leu
139                   165                   170                   175
141 aaa aga gtt gtg ctt gat ggt tcc gtg gca acc cct ata acc aga gtt   576
142 Lys Arg Val Val Leu Asp Gly Ser Val Ala Thr Pro Ile Thr Arg Val
143                   180                   185                   190
145 tca gcg gaa caa tgg ggt cgt cat tagatgactt ctgtcatgat agcacggctc   630
146 Ser Ala Glu Gln Trp Gly Arg His
147           195                   200
150 <210> SEQ ID NO: 4
151 <211> LENGTH: 200
152 <212> TYPE: PRT
153 <213> ORGANISM: Porcine reproductive and respiratory syndrome virus
155 <400> SEQUENCE: 4
156 Met Leu Gly Lys Cys Leu Thr Val Gly Cys Cys Ser Arg Leu Leu Ser
157  1               5                   10                  15
159 Leu Trp Cys Ile Val Pro Phe Cys Phe Ala Val Leu Ala Asp Ala His
160               20                  25                  30
162 Ser Ser Ser Ser Ser His Leu Gln Phe Ile Tyr Asn Leu Thr Leu Cys
163           35                  40                  45
165 Glu Leu Asn Gly Thr Asp Trp Leu Ala Asp Arg Phe Asp Trp Ala Val
166       50                  55                  60
168 Glu Ser Phe Val Ile Phe Pro Val Leu Thr His Ile Val Ser Tyr Gly
169  65                  70                  75                  80
171 Ala Leu Thr Thr Ser His Phe Leu Asp Thr Ile Ala Leu Val Thr Val
172               85                  90                  95
174 Ser Thr Ala Gly Phe Val His Gly Arg Tyr Val Leu Ser Ser Ile Tyr
175           100                 105                 110
177 Ala Val Cys Ala Leu Ala Ala Leu Thr Cys Phe Val Ile Arg Phe Val
178           115                 120                 125
180 Lys Asn Cys Met Ser Trp Arg Tyr Ser Cys Thr Arg Tyr Thr Asn Phe
181       130                 135                 140
183 Leu Leu Asp Thr Lys Gly Arg Leu Tyr Arg Trp Arg Ser Pro Val Ile
184 145                 150                 155                 160
186 Ile Glu Lys Arg Gly Lys Val Glu Val Glu Gly His Leu Ile Asp Leu
187               165                 170                 175
189 Lys Arg Val Val Leu Asp Gly Ser Val Ala Thr Pro Ile Thr Arg Val
190               180                 185                 190
192 Ser Ala Glu Gln Trp Gly Arg His
193           195                 200
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L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date